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CALFED Bay-Delta Program 650 Capitol Mall, 5th Floor Sacramento, CA 95814 Phone: (916) 445-5511 Fax: (916) 445-7297 www.science.calwater.ca.gov December 21, 2006

Joe Grindstaff, Director CALFED Bay-Delta Program 650 Capitol Mall, 5th Floor Sacramento, CA 95814

Leo Winternitz, Deputy Director Strategic Planning CALFED Bay-Delta Program 650 Capitol Mall, 5th Floor Sacramento, CA 95814

L. Ryan Broddrick, Director Department of Fish and Game 1416 Ninth Street, 12th Floor Sacramento, CA 95814

Ralph Svetich, DRMS Project Manager Department of Water Resources 901 P Street Rm. 313A Sacramento, CA 95814

Gentlemen:

Delta Ecosystem Risk Analysis

At its November meeting, the CALFED Independent Science Board (ISB) reviewed and discussed a letter dated November 12, 2006, sent to you and the Board from Mr. Gary Bobker of The Bay Institute. The letter recommends that CALFED Ecosystem Restoration Program agencies should, with the assistance of the ISB, undertake a risk-based analysis of Delta ecosystems. This work, according to Mr. Bobker, should be conducted within the current Delta Regional Ecosystem Restoration Implementation Plan (DRERIP) effort and augment the work currently being conducted under the Delta Risk Management Strategy (DRMS) to support the Delta Vision/Strategic Plan.

As you know, it is the responsibility of the ISB to oversee the application and effectiveness of science used to support CALFED decisions. The Board discussed the merits of Mr. Bobker's letter and is in general concurrence with its main premise. Based on current understanding, it is the view of the Board that the Delta Vision/Strategic Planning process would benefit from a more robust

and systematic assessment of the risks that future conditions pose to Delta ecosystems. The Delta Vision/Strategic Planning effort will be considering a range of potential management options. Neither DRMS nor DRERIP, in current form, will offer analytic tools sufficient to assess the risk that these options pose to native species and communities, including the habitats and hydrologic or hydrodynamic conditions that support them. Within DRMS, the work is focused principally on economic risks associated with levee stability. While in DRERIP, the emphasis is on using conceptual models to scientifically evaluate a list of ecosystem restoration actions.

The ISB recommends that the ERP agencies, in conjunction with DRMS and Delta Vision/Strategic Planning team, incorporate ecosystem risk analysis into current and future planning for the Delta. The Board does not seek to prescribe how this should be accomplished (whether through DRERIP, some other existing program, or a whole new program), recognizing that a range of staff, funding and time constraints must be considered. The Board requests that you coordinate your plans for this effort with Science Program staff. In addition, the Board is seeking to review this issue further at the February 21-23, 2007, ISB meeting. To that end, we ask that a representative from the ERP provide an assessment of how the program envisions incorporating ecosystem-based risk analysis into current and future planning for the Delta. We also ask that a representative from the DRMS program provide a brief update on its own approaches to assessment of risk to delta ecosystems. Finally, we also ask that a representative from the Delta Vision/Strategic Plan team brief the Board on how these risk assessments will inform the Delta Vision/Strategic Plan effort.

The Board looks forward to discussing these early efforts to identify and incorporate the risks that future conditions pose to Delta ecosystems and offering support and guidance.

Sincerely,

Jeffrey Mount, Chair Independent Science Board

Attachments: October 12, 2006, and November 10, 2006, memos from Gary Bobker.

cc: See attached list

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Lester Snow, Director Department of Water Resources P.O. Box 942836, 1115-1 Sacramento, CA 94236-0001

Rick Soehren
Department of Water Resources
P.O. Box 942836, 1115-19
Sacramento, CA 94236-0001

Greg Hurner, Deputy Director Legal & External Affairs Department of Fish and Game 1416 Ninth Street, 12th Floor Sacramento, CA 95814

Perry Herrgesell Department of Fish and Game Central Valley Bay-Delta Branch 4001 N. Wilson Way Stockton, CA 95205

Brad Burkholder Department of Fish and Game Central Valley Bay-Delta Branch 4001 N. Wilson Way Stockton, CA 95205

Lauren Hastings, CALFED Science Program CALFED Bay-Delta Program 650 Capitol Mall, 5th Floor Sacramento, CA 95814

Darcy Jones, CALFED Science Program CALFED Bay-Delta Program 650 Capitol Mall, 5th 'Floor Sacramento, Ca 95814

David Harlow, Asst. Field Supervisor USFWS 2800 Cottage Way, Room W2605 Sacramento, CA 95825

Melisa Helton USFWS 2800 Cottage Way, Rm. W2605 Sacramento, CA 95825 Mike Aceituno NOAA Fisheries 650 Capitol Mall, Suite 8-300 Sacramento, CA 95814

Diane Windham NOAA Fisheries 650 Capitol Mall, Suite 8-300 Sacramento, CA 95814

Bruce Herbold USEPA -WTR-3 75 Hawthorne Street San Francisco, CA 94105

Denise Reed University of new Orleans Science Bldg., GP 1058 2000 Lakeshore Drive New Orleans, LA 70148

Serge Birk Central Valley Project Water Association 1521 I Street Sacramento, CA 95814

Steve Macaulay, Executive Director California Urban Water Agencies 455 Capitol Mall, Suite 705 Sacramento, CA 95814

Bruce DiGennaro Essex partnership 8 Calver Street Newport, RI 02840

Pete Rhoads Metropolitan Water District 700 North Alameda Street Los Angeles, CA 90012-2944

Christina Swanson The Bay Institute 500 Palm Drive, Suite 200 Novato, CA 94949

Gary Bobker The Bay Institute of San Francisco 500 Palm Drive, Suite 200 Novato, CA 94949